

McLaughlin 10/015,798, Group 3813. Assistant Examiner A. Rade

The invention claimed is:

17. A method of seeking to retrieve a lost item, which method comprises:
 - imparting to an outer surface of said item a hologram selectively responsive to a laser beam having an explicit wavelength selected from the atmosphere-penetrating group consisting of 880 nm., 1310 nm., and 1550 nm.;
 - directing from a monitoring device controlled by the searcher and initially remote from said lost item a laser beam having the explicit wavelength corresponding to said hologram said laser beam being directed into a search zone in which the lost item is believed to be;
 - amplifying an electric signal indicative of the intensity of the feedback light from such zone;
 - using the amplified signals from such monitoring device for evaluating the whereabouts of said lost item while approaching the targeted zone of such hologramized item, whereby the lost item becomes visible to the searcher.
18. The method of claim 17 for locating a temporarily lost creature having a hologramized badge responsive to 1310 nm. wavelength laser.
19. The method of claim 17 in which the lost item is a launched experimental device.
20. The method of claim 17 in which the lost item is a golf ball and the laser beam is a continuous beam.

McLaughlin 10/015,798, Group 3813. Assistant Examiner A. Rade

The invention claimed is:

21. A monitoring device useful in seeking to retrieve a lost item, said lost item having surface components selectively responsive to a laser beam having an explicit wave length selected from the atmospheric-penetrating group consisting of 880 nm., 1310 nm., and 1550 nm., said monitoring device comprising:

a source of electric power;

means actuated by said electrical power for generating a laser beam having a wavelength corresponding to said components selectively responsive to such laser beam;

receptor cells responsive to the feedback light from said laser beam;

amplifier means amplifying the electrical signal generated by said feedback; and

indicating means alerting a searcher to the varying intensity of such feedback when the laser beam scans a search zone possibly containing such temporarily lost item.

22. The monitoring means of claim 21 in which the indicating means features an audio signal.

23. The monitoring means of claim 21 in which the laser beam has a wavelength of 1310 nm.

Continuation of claims showing MARKED UP FORMAT

17 [8] A method of seeking to retrieve [an] a lost item [susceptible of being temporarily lost] which method comprises:

imparting to an outer surface of said item a [thin coating or embossing, preferentially mirroring or reflecting] hologram selectively responsive to a laser beam having [a fog-penetrating wavelength classification] an explicit wavelength selected from the atmospheric-penetrating group consisting of 880 nm., 1330 nm., and 1550 nm.;

directing from a monitoring device controlled by the searcher and initially remote from said lost item a laser beam having [an] the explicit wave length [matched for] corresponding to said [coating or embossing] hologram, said laser beam being directed into a search zone in which a temporarily lost item is believed to be;

amplifying an electrical signal indicative of [monitoring] the intensity of the feedback light [reflected or mirrored] from such [search] zone;

using the amplified signals from such monitoring device for evaluating the whereabouts of said [temporarily] lost item [to refocus said laser beam a plurality of times responsive to such amplified signal] while approaching the targeted zone of such [coated or embossed] hologramized item, whereby the [temporarily] lost item becomes visible to the searcher.

18 [13] The method of claim [8] 17 for locating a temporarily lost creature having a hologramized badge [coated with material selectively reflecting or mirroring laser beams have a wavelength of] responsive to 1310 nm. wavelength laser

19. [14] The method of claim [8] 17 [for locating an] in which the lost item is a launched experimental device. [which after launching becomes temporarily lost]

20. [10] The method of claim [8] 17 in which the lost item is a golf ball and the laser beam is a continuous beam.

McLaughlin 10/015,798, Group 3813. Assistant Examiner A. Rade

Copies of presently sought claims as MARKED-UP FORMAT

21. [9] A monitoring device useful for seeking a temporarily lost item having [a coating or embossing preferentially reflecting or mirroring] surface components selectively responsive to a laser beam having [a fog-penetrating classification of] an explicit wave-length selected from the atmospheric-penetrating group consisting of 880 nm., 1330 nm., and 1550 nm., said monitoring device comprising:
- a source for electric power;
- means actuated by said electrical power for generating a laser beam having a wavelength corresponding to said [preferential reflecting or mirroring characteristics of said explicit coating or embossing] surface components;
- receptor cells responsive to the feedback light [reflected or mirrored] from said laser beam;
- amplifier means amplifying the electrical signal generated by said feedback [indicative of such reflected light]; and
- indicating means alerting [an observer] a searcher to the varying intensity of such [reflected or mirrored light] feedback when the laser beam scans a search zone possibly containing such temporarily lost item.

22. [11] The monitoring device of claim [9] 21 in which the indicating means features an audio signal.

23. [12] The monitoring device of claim [9] 21 in which the laser beam has a wave length of 1310 nm.